

Amended
disclosure of each of these related applications is hereby incorporated by reference. --

Replace the paragraph beginning at line 3 of page 48 as follows:

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-- It is also recognized that other modifications can be made to the present disclosed system to accomplish desired homogenization of light. For example, the light source could be placed inside the light pipe in a sealed arrangement which would eliminate the need for the reflector. Further, the light pipe could be replaced by an integrator, wherein the source is placed within the integrator as disclosed in U.S. Patent Application Serial No. 09/832,631, entitled "Encoded Variable Filter Spectrometer," filed on the same date herewith and incorporated by reference. Further, the present system could be used in non-infrared applications to achieve similar results in different wavelength regions depending upon the type of analysis to be conducted. --

In the Claims

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Please cancel claim 42 without prejudice.

Please amend claims 27, 30, 34 and 48 as follows:

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27. (Once Amended) The light pipe of claim 20, wherein the light pipe includes a textured inner surface.

30. (Once Amended) A spectroscopic system for measuring analyte concentration in a sample, the system comprising:

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a radiation source emitter, the emitter adapted for emitting radiation;
a radiation homogenizer disposed to receive at least a portion of said emitted radiation, wherein the homogenizer angularly and spatially homogenizes at least a portion of said emitted radiation, wherein said homogenized radiation illuminates said sample; and
a detector for receiving at least a portion of the radiation subsequent to interacting with said sample.